

In the Claims:

Claims 1 – 122 (Canceled)

123. (Currently amended) A composition-of-matter comprising a partially glycosylated crystallized glucocerebrosidase molecule wherein the amino acid sequence of said glucocerebrosidase molecule ~~consists of the amino acid sequence as set forth in SEQ ID NO: 1,~~ wherein said crystallized glucocerebrosidase molecule is characterized by an X-ray diffraction capacity enabling generation of a set of structure coordinates defining a 3D structure of said glucocerebrosidase molecule or a portion thereof, wherein said set of structure coordinates is as set forth in Table 4, wherein said partially glycosylated glucocerebrosidase is glycosylated at asparagine 19 of said amino acid sequence; and is unglycosylated at glycosylation residues ~~corresponding to~~ Asn59, Asn146 and Asn 270 of SEQ ID NO:1,

said crystallized glucocerebrosidase molecule having unit cell dimensions of a = about 107.7 angstroms, b = about 285.2 angstroms and c = about 91.8 angstroms and a crystal space group of C222₁.

124. (Previously presented) The composition-of-matter of claim 123, wherein said set of structure coordinates defines said 3D structure to a resolution of 2.9 angstroms or greater resolution.

125- 158. (Canceled)